



SEP 11 2006 11:12 FR LEE HAYES

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P.04/07

In the Specification:

Please replace the entire "Brief Description of the Drawings" section with the following, wherein changes begin at Fig. 10.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows a relational database computer system.

Fig. 2 is a flow diagram of a method utilizing a partial pre-aggregation operation.

Fig. 3 is a flow diagram of a partial pre-aggregation operation.

Fig. 4 is an illustration of a sales table.

Fig. 5 is an illustration of a customer table.

Fig. 6a is an illustration showing a first group of aggregation records output to a join operator as a result of applying partial pre-aggregation to the sales table.

Fig. 6b is an illustration showing a second group of aggregation records output to a join operator as a result of applying partial pre-aggregation to the sales table.

Fig. 7 is an illustration showing a result of applying a join operation to the result of the partial pre-aggregation and the customer table.

Fig. 8 is an illustration showing a result of aggregating the result of the join operation.

Fig. 9 is a flow diagram of a method utilizing a single record store for a partial pre-aggregation operation and a join operation.

Fig. 10 shows the records that result from aggregating the groups of records output from the partial pre-aggregation/join procedure.

1 Fig. 10a is an illustration showing a first group of records input to a record
2 store.

3 Fig. 10b is an illustration showing records resulting from performing a
4 partial pre-aggregation on the record store.

5 Fig. 10c is an illustration showing records resulting from performing a join
6 on the aggregated record store.

7 Fig. 11a is an illustration showing a second group of records input to a
8 record store.

9 Fig. 11b is an illustration showing records resulting from performing a
10 partial pre-aggregation on the record store.

11 Fig. 11c is an illustration showing records resulting from performing a join
12 on the aggregated record store.

13 Fig. 12 is an illustration showing records resulting from performing an
14 aggregation on the records output from the join operations.

1 Please replace paragraph beginning on page 25, line 18, with the following
2 rewritten paragraph. This is the last paragraph before the word "Conclusion" at the top of
3 page 26.

4
5 --Note that the final records output from the query are identical in Fig. 8
6 and in ~~Fig. 12~~ Fig. 10. But the implementation that utilized a combination of a
7 pre-aggregation and a join required less memory and processing to complete than
8 the first described implementation. The memory savings are on the order of one-
9 half.--

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